

**CLEAN VERSION OF AMENDED CLAIMS - OZ 0093/00029**

- (Amended)
5. A vector comprising
- a nucleic acid sequence as claimed in claim 1, or
  - an expression cassette comprising a nucleic acid sequence as claimed in claim 1, where the nucleic acid sequence is linked to one or more regulatory signals.

- (Amended)
6. A transgenic organism comprising
- at least one nucleic acid sequence as claimed in claim 1, or
  - at least one expression cassette comprising a nucleic acid sequence as claimed in claim 1, where the nucleic acid sequence is linked to one or more regulatory signals,
- or

- at least one vector comprising
  - a nucleic acid sequence as claimed in claim 1, or
  - an expression cassette comprising a nucleic acid sequence as claimed in claim 1, where the nucleic acid sequence is linked to one or more regulatory signals.

- (Amended)
8. A transgenic plant comprising
- a functional or nonfunctional nucleic acid sequence as claimed in claim 1 or
  - a functional or nonfunctional expression cassette comprising a nucleic acid sequence as claimed in claim 1, where the nucleic acid sequence is linked to one or more regulatory signals.

- (Amended)
9. A process for preparing unsaturated fatty acids, which comprises introducing
- at least one nucleic acid sequence as claimed in claim 1 or
  - at least one expression cassette comprising a nucleic acid sequence as claimed

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in claim 1, where the nucleic acid sequence is linked to one or more regulatory signals into an oil-producing organism, culturing this organism and isolating the oil contained in the organism, and liberating the fatty acids contained in the oil.

*A2  
correl'd*  
10. <sup>(Amended)</sup> A process for preparing triglycerides with an increased content of unsaturated fatty acids, which comprises introducing

at least one nucleic acid sequence as claimed in claim 1 or

at least one expression cassette comprising a nucleic acid sequence as claimed in claim 1, where the nucleic acid sequence is linked to one or more regulatory signals into an oil-producing organism, culturing this organism and isolating the oil contained in the organism.

<sup>(Amended)</sup>  
11. A process as claimed in claim 9, wherein the unsaturated fatty acids have an increased content of unsaturated fatty acids with a triple bond or with a double bond in position 6 or a triple bond and double bond in position 6.

<sup>(Amended)</sup>  
12. A process as claimed in claim 9, wherein the organism is a plant or a microorganism.

*A3*  
<sup>(Amended)</sup>  
16. A process for preparing triglycerides with an increased content of unsaturated fatty acids by incubating triglycerides with saturated or unsaturated or saturated and unsaturated fatty acids with at least one of the proteins as claimed in claim 2 or a protein comprising the amino acid sequence depicted in SEQ ID NO: 8 or SEQ ID NO:

10.

*A4*  
<sup>(Amended)</sup>  
18. A process as claimed in claim 16, wherein the fatty acids are liberated from the

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triglycerides.

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19. <sup>(Amended)</sup> An unsaturated fatty acid prepared by a process as claimed in claim 9.
20. <sup>(Amended)</sup> A triglyceride with an increased content of unsaturated fatty acids prepared by a process as claimed in claim 10.
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- AS
23. <sup>(Amended)</sup> The use of unsaturated fatty acids as claimed in claim 19 for producing human foods, animal feed, cosmetics or pharmaceuticals.
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